

IAD/OSS - 398/65
30 December 1965

MEMORANDUM FOR: Chief, Development Branch, P&DS

FROM : Chief, Operations Support Staff, IAD

SUBJECT : 6X Eyepieces for [REDACTED] Chip Comparator

25X1A

1. Since our discussions regarding the inability to focus the [REDACTED] 6X eyepieces on the [REDACTED] Comparator I have discussed this problem further with [REDACTED]. He informed me that a pair of the 6X eyepieces were "ground down" by the P&DS maintenance shop in order to shorten the tube length. This experiment proved unsuccessful as the eyepieces will still not focus.

25X1A

25X1A

25X1A

2. According to [REDACTED] of TID is not concerned with this problem as TID apparently does not have a requirement for the low magnification ranges which these 6X eyepieces will provide. In our case, however, we do have this requirement. The 6X eyepieces in conjunction with the 1.3 objective lenses will offer the magnification range from 7.8X to 15.6X; whereas, with the 10X eyepieces the lowest magnification available would be 13X. For a chip orientation and for the detailed analysis of certain targets, particularly on large scale photography, we believe the low magnification capability will be valuable.

25X1A

3. [REDACTED] informs us that he is discussing this problem with the [REDACTED] who designed the head for the Chip Comparator. Apparently the head was designed for use with the 10X eyepieces only, through some error, even though [REDACTED] was supplied with both 6X and 10X eyepieces. Surely, it must be their responsibility to make the necessary modifications so that the 6X eyepieces can be utilized. Please inform us of any action necessary on our part to correct this situation.

25X1A

25X1A

4. Since we have an additional optical head on order (for retrofitting to the [REDACTED] Chip Comparator), please ask [REDACTED] to correct this problem prior to fabrication of this optical head assembly if at all possible.

25X1A

25X1A

25X1A

Declass Review by NIMA/DoD

Distribution:

Orig. & 1 - Addressee
1 - OSS/IAD